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Appl. No.: 10/583,393
Amtd. dated March 17, 2010
Reply to Office Action of December 17, 2009

Amendments to the Claims:

1. (Currently Amended) An apparatus comprising:

means for detecting a plurality of radio stations broadcast within a spectrum of frequencies;

means for decoding, for each of a plurality of detected radio stations, at least one piece of supplementary information broadcast in conjunction with the plurality of radio stations, the at least one piece of supplementary information comprising an associated radio station name;

means for receiving a partial name of a radio station as a search criterion, the partial name comprising some, but not all, of the characters of a complete name of the radio station the ~~search criterion comprising a partial or complete name of a radio station;~~

means for responding to reception of the partial name of the radio station by generating a radio station name set[[],] including at least one radio station name, wherein the radio station name set is generated by matching the received partial name of the radio station search criterion with the supplementary information;

means for controlling a display to display the radio station name set, including the at least one radio station name, generated by matching the received partial name of the radio station search criterion with the supplementary information; and

means for receiving a user selection of a radio station name, the user selection being from the radio station name set displayed on the display and generated by matching the received partial name of the radio station search criterion with the supplementary information.

2. (Cancelled).

3. (Previously Presented) An apparatus as claimed in claim 20, further comprising a display configured to concurrently display a plurality of radio station names from the radio station name set.

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4. (Previously Presented) An apparatus as claimed in claim 20, further comprising a display, wherein the display is configured to display only one radio station name from the radio station name set.

5-6. (Canceled)

7. (Currently Amended) An apparatus as claimed in claim 20, wherein the radio station name set generated by matching the received partial name of the radio station search criterion with the supplementary information comprises a plurality of different radio station names.

8-10. (Canceled).

11. (Previously Presented) An apparatus as claimed in claim 20, wherein the apparatus further comprises scanning circuitry configured to scan the spectrum of frequencies, and said selection circuitry is configured to interrupt said scanning circuitry in response to a user selection of a radio station name.

12. (Currently Amended) An apparatus as claimed in claim 20, wherein the supplementary information conforms to at least one of the Radio Data System standard [[and]] or the Radio Broadcasting Data System standard.

13. (Previously Presented) An apparatus as claimed in claim 20, further comprising receiving circuitry configured to receive radio station signals and decoding circuitry configured to decode radio station signals.

14. (Previously Presented) An apparatus as claimed in claim 13, wherein the radio station signals comprise audio signals and the apparatus comprises a speaker configured to provide an audio signal to a user.

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15-16. (Canceled).

17. (Previously Presented) An apparatus as claimed in claim 1, further comprising:
means for storing the at least one piece of supplementary information broadcast in conjunction with the plurality of radio stations and information relating to a broadcast frequency of each of the plurality of the radio stations.

18. (Currently Amended) A method comprising:
receiving a partial name of a radio station as a search criterion, the partial name comprising some, but not all, of the characters of a complete name of the radio station search criterion comprising a partial or complete name of a radio station;
responding to reception of the partial name of the radio station by generating a radio station name set[[],]] including at least one radio station name, wherein the radio station name set is generated by matching the received partial name of the radio station search criterion with at least one piece of supplementary information broadcast in conjunction with a plurality of radio stations, and wherein each piece of supplementary information comprises an associated radio station name;
controlling a display to display the radio station name set, including at least one radio station name, generated by matching the received partial name of the radio station search criterion with the supplementary information; and
receiving a user selection of a radio station name, the user selection being from the radio station name set displayed on the display and generated by matching the received partial name of the radio station search criterion with the supplementary information.

19. (Canceled).

20. (Currently Amended) An apparatus comprising:
detection circuitry configured to detect a plurality of radio stations broadcast within a

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spectrum of frequencies;

decoding circuitry configured to decode, for each of a plurality of detected radio stations, at least one piece of supplementary information broadcast in conjunction with the plurality of radio stations, the at least one piece of supplementary information comprising an associated radio station name;

input circuitry configured to receive a partial name of a radio station as a search criterion, the partial name comprising some, but not all, of the characters of a complete name of the radio station ~~search criterion comprising a partial or complete name of a radio station~~;

filtering circuitry configured to respond to reception of the partial name of the radio station by generating generate a radio station name set[,] including at least one radio station name, by matching the received partial name of the radio station ~~search criterion~~ with the supplementary information;

control circuitry configured to control a display to display the radio station name set, including at least one radio station name, generated by matching the received partial name of the radio station ~~search criterion~~ with the supplementary information; and

selection circuitry configured to receive a user selection of a radio station name, the user selection being from the radio station name set displayed on the display and generated by matching the received partial name of the radio station ~~search criterion~~ with the supplementary information.

21. (Currently Amended) An apparatus as claimed in claim 20 further comprising:
~~memory for storing~~ configured to store the at least one piece of supplementary information broadcast in conjunction with the plurality of radio stations and information relating to a broadcast frequency of each of the plurality of the radio stations.

22. (Currently Amended) A computer program product comprising at least one tangible computer-readable memory having computer-readable program instructions stored therein, the computer-readable program instructions configured to instruct a computer to carry out a method,

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comprising:

receiving a partial name of a radio station as a search criterion, the search criterion comprising a partial or complete name of a radio station partial name comprising some, but not all, of the characters of a complete name of the radio station;

responding to reception of the partial name of the radio station by generating a radio station name set[[],] including at least one radio station name, wherein the radio station name set is generated by matching the received partial name of the radio station search criterion with at least one piece of supplementary information broadcast in conjunction with a plurality of radio stations, and wherein each piece of supplementary information comprises an associated radio station name; and

— receiving a user selection of a radio station name, the user selection being from the radio station name set displayed on the display and generated by matching the received partial name of the radio station search criterion with the supplementary information.

23. (Previously Presented) A method as claimed in claim 18, further comprising concurrently displaying a plurality of radio station names from the radio station name set.

24. (Previously Presented) A method as claimed in claim 18, further comprising displaying only one radio station name from the radio station name set.

25. (Currently Amended) A method as claimed in claim 18, wherein the radio station name set, generated by matching the received partial name of the radio station search criterion with the supplementary information, comprises a plurality of different radio station names.

26. (Canceled).

27. (Previously Presented) An apparatus as claimed in claim 13, wherein the selection circuitry is configured to control, in response to user selection of a radio station name, the receiving circuitry to receive a radio station signal associated with the radio station name

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selected by the user.

28. (Previously Presented) A method as claimed in claim 18, further comprising controlling, in response to user selection of a radio station name, receiving circuitry to receive a radio station signal associated with the radio station name selected by the user.
29. (New) A method as claimed in claim 18, wherein each piece of supplementary information comprises an associated complete radio station name, the generated radio station name set includes at least one complete radio station name, and the display is controlled to display the radio station name set including the at least one complete radio station name.
30. (New) An apparatus as claimed in claim 20, wherein the at least one piece of supplementary information comprises an associated complete radio station name, the filtering circuitry is configured to respond to reception of the partial name of the radio station by generating a radio station name set including at least one complete radio station name, and the control circuitry is configured to control the display to display the radio station name set, including at least one complete radio station name.